

Pamela J. Schofield
Research biologist

U. S. Geological Survey
Center for Aquatic Resources Studies
7920 NW 71st Street, Gainesville, FL 32653
Phone: (352) 378.8181 x 370
Email: pam_schofield@usgs.gov



EDUCATION

2003	Ph.D.	Dept. of Biological Sciences, University of Southern Mississippi, Hattiesburg, MS
1997	M.Sc.	Department of Zoology, University of Florida, Gainesville, FL
1994	B.Sc.	Department of Zoology, University of Florida, Gainesville, FL

AREAS OF SPECIALIZATION

Ecophysiology of fishes, including physiological effects on behaviour, feeding, predator-prey interactions, and temporal and spatial shifts, especially in response to environmental gradients or habitat degradation.

PROFESSIONAL EXPERIENCE

2000 – present	Research Biologist , U. S. Geological Survey, Gainesville, FL
1998 – 2000	Graduate Research Assistant , University of Southern Mississippi, Hattiesburg, MS
1994-1998	Laboratory Instructor , Department of Zoology, University of Florida, Gainesville, FL

PROFESSIONAL ACTIVITIES AND MEMBERSHIPS

Member: American Society of Ichthyologists and Herpetologists, Estuarine Research Foundation, Society for Conservation Biology, Southeastern Fishes Council

PEER-REVIEWED PUBLICATIONS

Schofield, P. J. & L. G. Nico. Salinity tolerance of introduced swamp eels: I. Implications for range expansion in south Florida. In prep.

Schofield, P. J. & L. G. Nico. Salinity tolerance of introduced swamp eels: II. Inter-population variation relative to genetically distinct lineages. In prep.

Dennis, G.D. & **P. J. Schofield**. Ichthyoplankton of northeast Florida Bay. In prep.

Schofield, P. J. Selection for seagrass is not related to decreased predation vulnerability for two gobies (*Microgobius gulosus*; *Gobiosoma robustum*). Submitted: *Marine Biology*

- Schofield, P. J.** Influence of salinity and interspecific competition on the growth of *Gobiosoma robustum* Ginsburg and *Microgobius gulosus* (Girard) from Florida Bay, U. S. A. Accepted: *Journal of Fish Biology*
- Schofield, P. J.** 2003. Salinity tolerance of two gobies (*Microgobius gulosus*, *Gobiosoma robustum*) in Florida Bay (USA). In Press: *Gulf of Mexico Science* 21(1).
- Schofield, P. J.** 2003. Habitat selection of two gobies (*Microgobius gulosus*, *Gobiosoma robustum*): influence of structural complexity, competitive interactions and presence of a predator. *Journal of Experimental Marine Biology and Ecology* 288(1): 125-137. [<webpage>](#)
- Schofield, P. J. & S. T. Ross.** 2003. Habitat selection of the channel darter, *Percina* (Cottogaster) *copelandi*: a surrogate for the imperiled pearl darter, *Percina aurora*. *Journal of Freshwater Ecology* 18(2): 249-257.
- Chapman, L. J., C. A. Chapman, **P. J. Schofield**, J. P. Olowo, L. S. Kaufman, O. Seehausen & R. Ogutu-Ohwayo. 2003. Fish faunal resurgence in Lake Nabugabo, East Africa. *Conservation Biology* 17(2): 500-511.
- Schofield, P. J.** and L. J. Chapman. 2000. Hypoxia tolerance of introduced Nile perch: Implications for survival of indigenous fishes in the Lake Victoria basin. *African Zoology*, 35(1): 35-42.
- Schofield, P. J.** and L. J. Chapman. 1999. Interactions between Nile perch, *Lates niloticus*, and other fishes in Lake Nabugabo, Uganda. *Environmental Biology of Fishes* 55(4): 343-358.
- Schofield, P. J.** and G. H. Burgess. 1997. *Etmopterus robinasi*: A new species of deep-water dogshark (Elasmobranchii, Etmopteridae) from the Caribbean and Western Atlantic with a redescription of *E. hillianus*. *Bulletin of Marine Science* 60(3): 1060-1073.

OTHER PUBLICATIONS

- Schofield, P. J.**, S. T. Ross & P. Rakes. 1999. Conservation of the pearl darter, *Percina aurora*: habitat selection and development of a protocol for larval rearing, Year II. Mississippi Department of Wildlife, Fisheries and Parks Wildlife Heritage Program, Jackson, MS. Museum Technical Report No. 74.
- Ross, S. T., **P. J. Schofield** & P. Rakes. 1998. Conservation of the pearl darter, *Percina aurora*: habitat selection and development of a protocol for larval rearing. Mississippi Department of Wildlife, Fisheries and Parks Wildlife Heritage Program, Jackson, MS. Museum Technical Report No. 68.

PRESENTATIONS

- Schofield, P. J.** 2003. Seagrass presence structures densities and distributions of two estuarine gobies: laboratory and field evidence. Poster to be presented at the Estuarine Research Foundation biennial meeting in Seattle, WA, September 2003.
- Schofield, P. J.**, L. G. Nico & M. E. Brown. 2003. Non-native Asian swamp eels (Fam: Synbranchidae; *Monopterus*) established in the canal systems of South Florida: Potential for range expansion into estuarine habitats. Poster to be presented at the Estuarine Research Foundation biennial meeting in Seattle, WA, September 2003.

- Schofield, P. J.**, L. G. Nico & M. E. Brown. 2003. Salinity tolerance of non-native swamp eels (Synbranchidae) in Florida: contrast among three populations with different origins. Poster presented at the American Society of Ichthyologists and Herpetologists annual meeting, Manaus, Brasil, June 2003 (presented by Nico).
- Schofield, P. J.** An ecological history of the Everglades-Florida Bay watershed. Invited speaker, Bennett Symposium "Headwaters to the Sea: Evolution and conservation of fish assemblages in large rivers" Hattiesburg, MS, September 2003.
- Schofield, P. J.** Factors affecting the distribution of two gobies (*Microgobius gulosus*, *Gobiosoma robustum*) in Florida Bay, U. S. A. Poster presented at the Joint Conference on the Science and Restoration of the Greater Everglades and Florida Bay Ecosystem, Palm Harbor, FL, April 2003.
<webpage>
- Schofield, P. J.** & L. G. Nico. Salinity tolerance of introduced swamp eels: Implications for range expansion in south Florida. Poster presented at the Joint Conference on the Science and Restoration of the Greater Everglades and Florida Bay Ecosystem, Palm Harbor, FL, April 2003
- Chapman, L. J., C. A. Chapman, J. P. Olowo, **P. J. Schofield** & L. S. Kaufman. Biodiversity lost and found: The resurgence of indigenous fishes in the Lake Victoria region. Poster, Ecological Society of America, August 2000.
- Schofield, P. J.** & S. T. Ross. Habitat selection of the channel darter, *Percina copelandi* – a surrogate for the imperiled pearl darter, *Percina aurora*. Oral presentation, Association of Southeastern Biologists, Chattanooga, TN, April, 2000.
- Ross, S. T. & **P. J. Schofield**. Habitat and coastal fish populations: a review of the connections. Oral presentation, Biennial International Estuarine Research Federation conference, New Orleans, LA, September, 1999.
- Schofield, P. J.** Effects of environmental heterogeneity on physiology, feeding ecology and biological interactions of two gobies (*Microgobius gulosus* and *Gobiosoma robustum*): a research proposal. Poster, Florida Bay Science Conference, Miami, FL, May 1998
- Ross, Stephen T. & **P. J. Schofield**. Habitat and coastal marine fisheries: a review of the connections. Keynote address, Mississippi/Louisiana Chapters of the American Fisheries Society, Bay St. Louis, MS, February, 1998.
- Schofield, P. J.** & L. J. Chapman. Wetland ecotones: potential for faunal refugia in the Lake Victoria basin; Poster, Ecological Society of America/Society for Conservation Biology joint meeting, Providence, RI, August 1996.
- Schofield, P. J.** Feeding ecology of Nile perch (*Lates niloticus*); research proposal and preliminary results. Oral presentation, symposium on current research in the Lake Victoria basin, Fisheries Research Institute of Uganda, Jinja, Uganda, July 1995.